UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/684,768	10/06/2000	Jeffrey Wayne McDonald	1335	1633

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EXAMINER
TRUONG, LECHI

ART UNIT	PAPER NUMBER
2126	7

DATE MAILED: 03/24/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

	Application No.	Applicant(s)	
Office Action Summary	09/684,768	MCDONALD ET AL.	
	Examiner	Art Unit	
	LeChi Truong	2151	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>02 November 0200</u> .

2a)☐ This action is **FINAL.**   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-45* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-45* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

        1.☐ Certified copies of the priority documents have been received.

        2.☐ Certified copies of the priority documents have been received in Application No. _____ .

        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .

4)☐ Interview Summary (PTO-413) Paper No(s). _____ .
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 103

1.   Claims 1-4, 13-15, 18-27, 36-38, 41-45 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Anthias et al (US. Patent 5,511,199 in view of Frank William Grilchrist (US.

Patent 6,081 832).

As to claim 1, Anthias teaches a first process (a first computer program, col 2, ln 22-39),

a first computer (a first computer language, col 2, ln 22-39), a destination (target object, col 3, ln

39-67, col 4, ln 1-11), a second computer (second computer language, col 2, ln 22-39),

destination information / message information (a predetermined description of classes, col 2, ln

22-39/ col 3, ln 39-67, col 4, ln 1-11), a message X (object)(a generic send message function/

new object, col 2, ln 22-39/ col 3, ln 39-67, col 4, ln 1-11, the message, col 2, ln 5-15), a message

(a message, col 2, ln 22-39).

Anthias does not explicit teach the term a transport protocol, and X as object. However,

Grilchrist teaches particular e-mail protocols, an email message…. Contains information/ class

of message object (col 2, ln 44-67, col 3, ln 1-30).

It would have been obvious to apply the teaching of Grilchrist to Anthias in order to

provide the object methods that process communication between systems to their particular

requirements without modifying the entire system an without recompiling the system program,

and reduces the time and cost needed to implement specific systems.

As to claim 2, Anthias teaches a second process (a second object oriented program, col 2,

ln 21-39).

As to claim 3, Anthias teaches a name of the second process(C++, col 4, ln 12-67).

As to claim 4, Anthias teaches process to process (a Smalltalk object and C++ object, col 5, ln 26-60/ Fig. 1).

As to claim 13, Anthias teaches the message (the message, col 2, ln 22-39/ col 3, ln 39-67, col 4, ln 1-11).

As to claim 14, Grilchrist teaches pointer (pointer, col 3, ln 26-67).

As to claim 15, Grilchist teaches the length of the message (length of of instance variable data, col 3, ln 22-39).

As to claim 18, 19, Anthias does not teach a checking for error, an error service. However, Grilchist teaches the type of error, the Report Indicator class (col 25, ln 37-45).

It would have been obvious to apply the teaching of Grilchist to Anthias in order to determine whether the message is the report of delivery or an error.

As to claim 20, Anthias teaches a unique identifier(data identifying, col 9, ln 65-67, col 10, ln 1-7).

As to claim 21, Anthias teaches a rely from the second computer (first program calling ... second computer program).

As to claim 22, Anthias teaches registering a service(first program sends a message to a target object, col 2, ln 22-39).

As to claim 23, Anthias teaches receiving the message information (sending said message to said target object, col 2, ln 22-39).

As to a software product of claim 24, refer to the rejection of claim1. Further, Anthias teaches communication software operational (computer program, col 2, ln 22-39).

As to the software product of claim 25, see the rejection of claim 2.

As to the software product of claim 26, see the rejection of claim 3.

As to the software product of claim 27, see the rejection of claim 4.

As to the software product of claim 36, see the rejection of claim 13.

As to the software product of claim 37, see the rejection of claim 14.

As to the software product of claim 38, see the rejection of claim 15.

As to the software product of claim 41, see the rejection of claim 18.

As to the software product of claim 42, see the rejection of claim 19.

As to the software product of claim 43, see the rejection of claim 20.

As to the software product of claim 44, see the rejection of claim 21.

As to the software product of claim 45, see the rejection of claim 22.

2.   Claims 5,7, 16,17, 28,30,39,40 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Anthias et al (US. Patent 5,511,199) in view of Admit prior Art (APA).

As to claim 5,7, Anthias does not teach the pathway. However, APA teaches pathway

(Page 3, ln 16-24).

It would have been obvious to apply the teaching of APA in order make the

communication between process and destination more available to use in any systems.

As to claim 16, 17 Anthias does not teach the message is waited/ the message is nowait.

However, APA teaches waiting message, no-wait message(col 3, ln 24-32).

It would have been obvious to apply the teaching of APA in order to transfer messages

between systems more consistent.

As to the software product of claim 28, see the rejection of claim 5.

As to the software product of claim 30, see the rejection of claim 7.

As to the software product of claim 39, see the rejection of claim 16.

As to the software product of claim 40, see the rejection of claim 17.

3.   Claims 6, 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Anthias et al

(US. Patent 5,511,199) in view of Admit prior Art (APA) and further in view or Microsoft

Corporation(MC)(Microsoft Windows for WorkGroups Add-On for Windows.

As to claim 6, Anthias does not teach a name of the pathway. However, MC teaches the

path contain computer name and the share name, with the format\\computername\sharename(

page 27, connection to network printer).

It would have been obvious to apply the teaching of MC to Anthias in order to provide

the connection between the computers to a network printer.

As to the software product of claim 29, see the rejection of claim 6.

4.   Claims 8,9,10,11,12,31,32, 33,34,35 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Anthias et al (US. Patent 5,5, 911,199) in view of   John Shapley Gray

(Interprocess communication in Unix).

As to claim 8, 9,10, 11, 12, Anthias does not teach a socket, a port number of socket,

Internet protocol address, address. However, John teaches socket, a port number (section 10.4.2),

address (section, 10.2.1), ICMP (section 10.2.3).

It would have been obvious to apply the teaching of APA in order make the

communication between process and destination more available to use in any systems.

As to the software product of claim 31, see the rejection of claim 8.

As to the software product of claim 32, see the rejection of claim 9.

As to the software product of claim 33, see the rejection of claim 10.

As to the software product of claim 34, see the rejection of claim 11.

As to the software product of claim 35, see the rejection of claim 12.
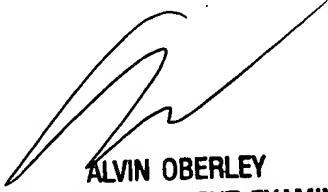
5.   *Conclusion*

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to LeChi Truong whose telephone number is (703) 305 5312. The

examiner can normally be reached on 8 - 5.

Fax phone: AFTER_FINAL faxes must be signed and sent to: (703) 746-2738, OFFICAL

faxes must be signed and send to: (703) 746-7239, NON OFFICIAL faxes should not be signed,

please send to: (703) 746-7240

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is 703 305 9000.

LeChi Truong
March 10, 2003

ALVIN OBERLEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100